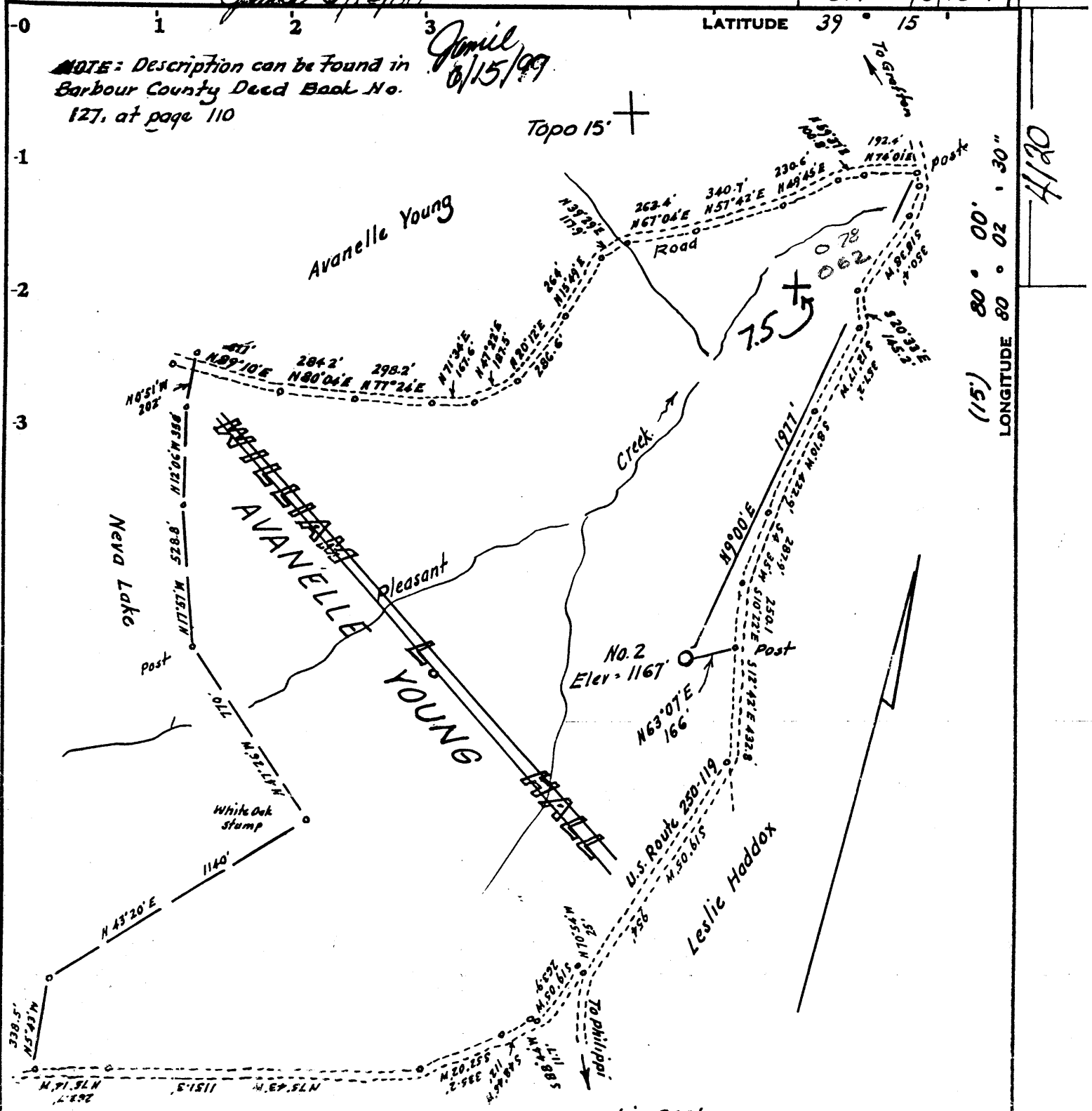


June 6/13/88

32507, 8, 16 F

NOTE: Description can be found in Barbour County Deed Book No. 127, at page 110

June 6/15/99



LONGITUDE 80° 02' 30" (15)

DEPT

Alonso Cole

Minimum Error of Closure 1 in 200'

Source of Elevation USGS elev. at forks of Pleasant Creek Road = 1149

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: Musker
Squares: N S E W

Company PETROLEUM DEVELOPMENT CORP
 Address Bridgeport, West Va.
 Farm ~~William L. Hatt~~ Avanella Young
 Tract _____ Acres 200 Lease No. _____
 Well (Farm) No. Two Serial No. _____
 Elevation (Spirit Level) 1167
 Quadrangle Philippi 7 1/2
 County Barbour District Pleasant
 Engineer Musker
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date June 26, 1976 Scale 1" =

WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
#10 McJUNKIN ROAD
NITRO, WEST VIRGINIA 25143-2506

WELL LOCATION MAP

OPD Well No. 47-001-00777-P
Existing well drilled in 1976
TD 4225' Production from
Benson & Riley 530' Permanent
Plugging issued 1999.

JUN 14 1999

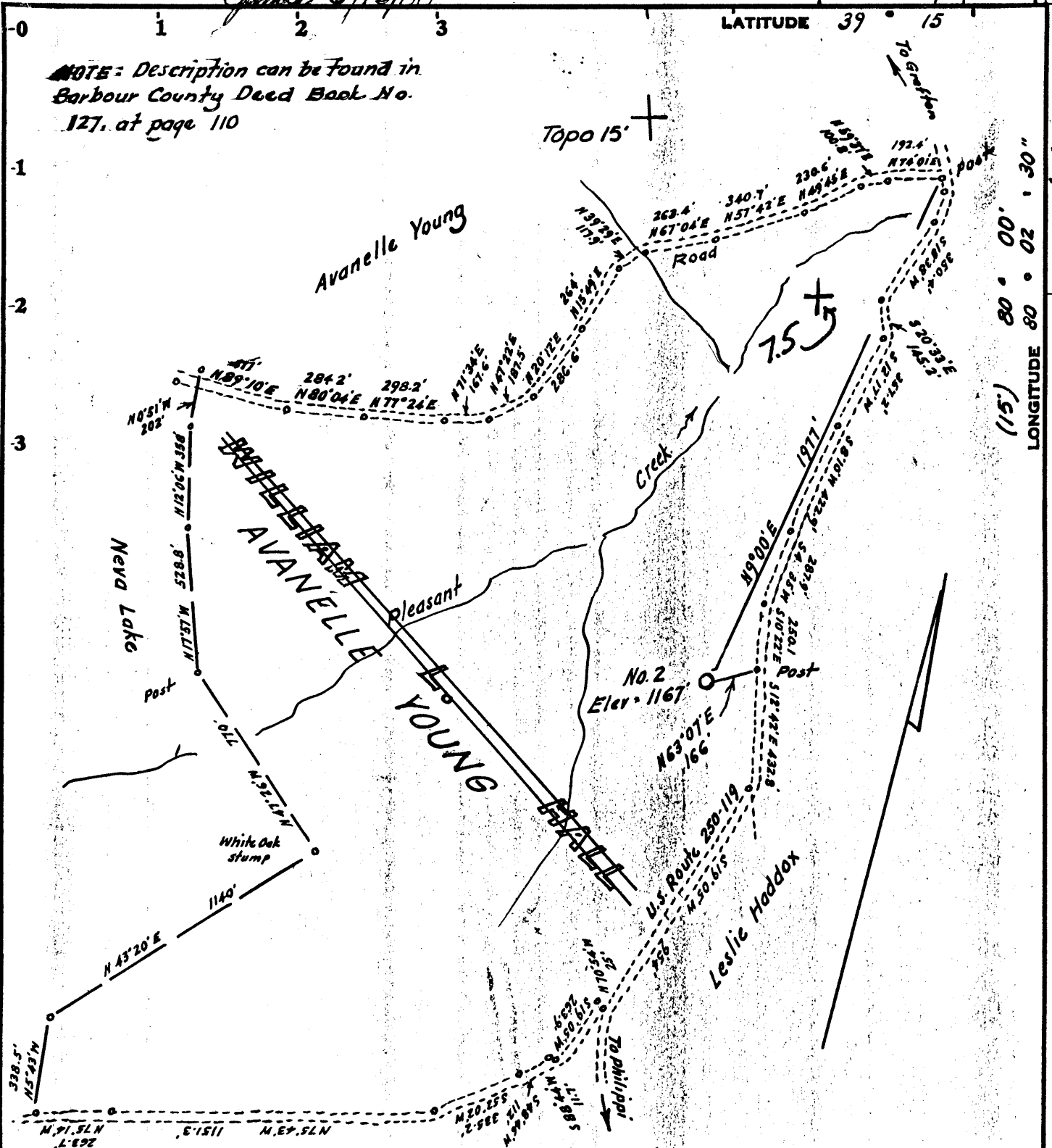
4300' Benson

BAR. 777-PP

June 6/13/88

32507, 8, 76 P

NOTE: Description can be found in Barbour County Deed Book No. 127, at page 110



Minimum Error of Closure 1 in 200'
 Source of Elevation USGS elev. at forks of Pleasant Creek Road = 1149

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: [Signature]
 Squares: N S E W

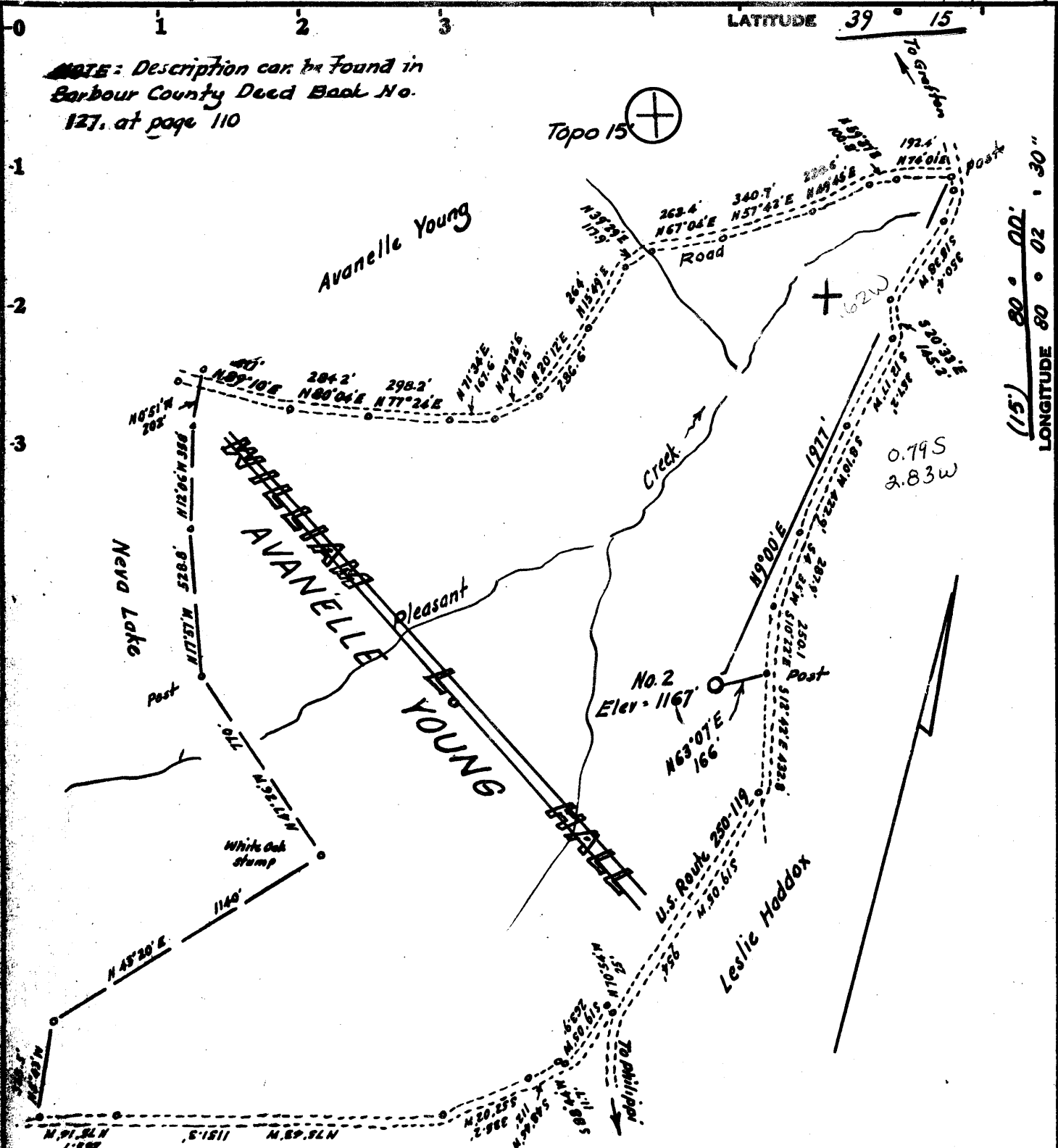
Company PETROLEUM DEVELOPMENT CORP.
 Address Bridgeport, West Va.
 Farm ~~William L. Hatt~~ Avanella Young
 Tract _____ Acres 200 Lease No. _____
 Well (Farm) No. Two Serial No. _____
 Elevation (Spirit Level) 1167
 Quadrangle Philippi 7 1/2
 County Barbour District Pleasant
 Engineer [Signature]
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date June 26, 1976 Scale 1" =

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. BAR-777-PP

+ Denotes location of well on United States Topographic Maps, scale 1 to $\frac{62,000}{24,000}$, latitude and longitude lines being represented by border lines as shown.
 JUN 21 1988
 - Denotes one inch spaces on border line of original tracing. **47-004**

4300' Benson



NOTE: Description can be found in Barbour County Deed Book No. 127, at page 110

Topo 15

Minimum Error of Closure 1 in 200'
 Source of Elevation USGS elev. at forks of Pleasant Creek Road = 1148

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: *W. H. Haddock*
 Squares: N S E W

Map No. _____

Company PETROLEUM DEVELOPMENT CORP
 Address Bridgport West Va
 Farm ~~Williams~~ *Avanella Young*
 Tract _____ Acres 200 Lease No. _____
 Well (Farm) No. Two Serial No. _____
 Elevation (Spirit Level) 1167
 Quadrangle 15 Phillipi 7 1/2 NE
 County Barbour District Pleasant
 Engineer *W. H. Haddock*
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date June 26, 1976 Scale 1" =

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. BAR-777

+ Denotes location of well on United States Topographic Maps, scale 1 to ^{62,000}/_{24,000} latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing. 47-004

RECEIVED
JUN 03 1988



1) Date: _____, 19____
2) Operator's Well No. Anavelle Young #2
3) API Well No. 47 - 001 - 0777-PP
State _____ County _____ Permit _____

DIVISION OF OIL & GAS STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

APPLICATION FOR A PERMIT TO PLUG AND ABANDON A WELL

- 4) WELL TYPE: A Oil _____ / Gas XX / Liquid injection _____ / Waste disposal XX /
B (If "Gas", Production _____ / Underground storage) _____ / Deep _____ / Shallow _____
- 5) LOCATION: Elevation: 1167' / Watershed: Pleasant Creek
District: Pleasants / County: Barbour / Quadrangle: Philippi 7 1/2
- 6) WELL OPERATOR PETROLEUM DEV. CORP CODE 38200
Address PO Box 26, 687
Bridgeport, WV 26330
- 7) DESIGNATED AGENT Steven R. Williams
Address PO Box 26
Bridgeport, WV 26330
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Phillip Tracy
Address PO Box 2536
Elkins, WV 26241
- 9) PLUGGING CONTRACTOR
Name _____
Address _____

10) WORK ORDER: The work order for the manner of plugging this well is as follows:

1. Run tubing to TD (4144') & circulate the well with 6% gel.
2. Spot a plug of cement from 4144' to 3600' (to cover Benson/Riley).
3. Pull tubing to 2100'.
4. Spot a plug of cement from 2100' to 1950' (to seal the 4 1/2" casing below the Thirty foot sand).

Partial Plug for UIC. Conversion

OFFICE USE ONLY

PLUGGING PERMIT

Permit number 47-001-0777-PP

June 15 1988

Date

This permit covering the well operator and well location shown below is evidence of permission granted to plug in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, subject to any modifications and conditions on the reverse hereof.

Permit expires June 15, 1990 unless plugging is commenced prior to that date and prosecuted with due diligence.

Bond: <i>[Signature]</i>	Agent: <i>[Signature]</i>	Plug: <i>[Signature]</i>	Casing: <i>[Signature]</i>	WPCP	OTHER
--------------------------	---------------------------	--------------------------	----------------------------	------	-------

Director, Division of Oil & Gas

NOTE: Keep one copy of this permit posted at the plugging location.

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

RECEIVED
JUN 03 1988

**DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY**

1) Date: May 23, 19 88
Operator's
2) Well No. Avanelle Young #2
3) API Well No. 47 - 001 - 00777
State County Permit

**STATE OF WEST VIRGINIA
DIVISION OF OIL AND GAS, DEPARTMENT OF ENERGY
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL**

SURFACE OWNER(S) OF RECORD TO BE SERVED

(1) Name Avanelle Young Corley
Address 85 South Kanawha Street
Buckhannon, WV 26201

(1) Name _____
Address _____

(1) Name _____
Address _____

5 (i) COAL OPERATOR _____
Address _____

5 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Black Diamond Energy
Address P. O. Box 217
Corriganville, MD 21524

5 (iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application to Plug and Abandon a Well on Form WW-4(B), which sets out the parties involved in the work, and describes the well and its location and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM WW-4(B)) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22B of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Permit to plug and abandon a well with the Director of the Division of Oil and Gas, West Virginia Department of Energy, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Director.

truth of the information on the Notice and Application is verified and sworn to and the same is signed on behalf of the Well Operator of _____ County and State by

Steven R. Williams

23rd day of May, 19 88

Commission expires July 1, 19 97

Virginia D. Weaver

Notary Public, Harrison County, Telephone _____
of West Virginia

WELL OPERATOR Petroleum Development Corporation

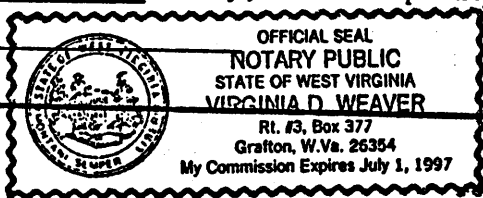
By [Signature]

Its President

Address P. O. Box 26

Bridgeport, WV 26330

304-842-6256





RECEIVED

AUG 10 1976

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Philippi

Permit No. BAR-777
47-001

Rotary XX Oil _____
Cable _____ Gas XX
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Company Petroleum Development Corporation
Address P.O. Box 26, Bridgeport, W.Va.
Farm Avanelle Young Acres 200
Location (waters) Pleasant Creek
Well No. Two (2) Elev. 1167'
District Pleasant County Barbour
The surface of tract is owned in fee by Avanelle Young

Address Box 132, Philippi, W.Va.
Mineral rights are owned by Avanelle Young
Address Box 132, Philippi, W.Va.
Drilling Commenced 7-9-76
Drilling Completed 7-13-76
Initial open flow _____ cu. ft. _____ bbls.
Final production 875,000 M cu. ft. per day _____ bbls.
Well open 12 hrs. before test. 1600' RP.

Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	839		200 Sks.
7			
5 1/2			
4 1/2	4156	4156	245 Sks.
3			
2			
Liners Used			

Attach copy of cementing record.

Fractured Benson and Riley Formation with 750 bbl water. 40,000# Sand
Fractured 30' Sand with 500 bbl. water. 30,000# Sand

Coal was encountered at 106', 386', 435', 571' Feet 3', 5', 5', 1' Inches
Fresh water 41' Feet Salt Water 530', 800' Feet
Producing Sand Benson, Riley, 30' Depth 4060-80 3844-48 1796-1812
Ben Riley 30 Feet

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	10		
Sand			10	94		Water @ 41' 1/2 stream
Coal			94	97		
Sand			97	106		Water increased @ 530'
Coal			106	109		10' of 13" Cond
Sand			109	165		839' 8-5/8. 200 Sks.
Coal			165	170		
Sand & Shale			170	386		
Coal			386	391		
Sand			391	435		
Coal			435	440		
Sand			440	571		
Coal			571	580		
Sand			580	1149		Gas 1440 No Show
Big Lime			1149	1283		Gas 1597 No Show
Injun			1283	1367		Gas @ 2005 30/10=5/8"
Sand-Shells-Red Rock			1367	1967		Gas @ 2223 40/10=5/8"
4th Sand			1967	2036		Gas @ 3819 46/10=5/8"
Sand & Shale			2036	2131		Gas @ 4101 46/10=5/8"
5th Sand			2131	2220		
Sand & Shale			2220	3758		
Riley			3758	3811		

(over)

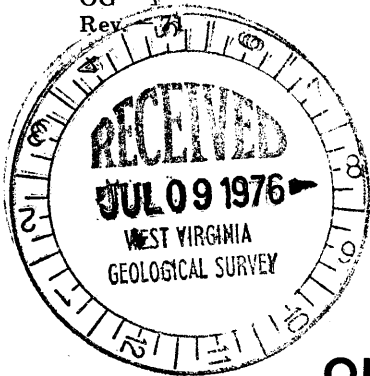
* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			3811	4026		
Benson			4026	4065		
Sand & Shale			4065	4225		

Date August 18, 19 76

APPROVED PETROLEUM DEVELOPMENT CORP., Owner

By Alvin Loren Pet. Engineer
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JUL 8 - 1976

DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE July 2, 1976

Surface Owner Avanelle Young

Company Petroleum Development Corporation

Address Box 132, Phillipi, W.Va.

Address P.O. Box 26, Bridgeport, W.Va.

Mineral Owner Avanelle Young

Farm Young (Avanelle) Acres 200

Address Box 132, Phillipi, W.Va.

Location (waters) Pleasant Creek

Coal Owner Hillman Coal Company

Well No. - 2 Elevation 1167'

Address Box 1, Grafton, W.Va.

District Pleasant County Barbour

Coal Operator _____

Quadrangle Phillipi

Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 11-7-76.

[Signature]
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Billie Hatfield
PH: 472-4268 ADDRESS Buckhannon, W. Va.

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated July 18 1973 by E.L. Young, et. al., made to Hope Nat. Gas Co. and recorded on the 18 day of Sept., 1973, in Barbour County, Book 5 Page 429

XX NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address July 3 day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505

Address
of
Well Operator

Very truly yours,

(Sign Name) Alvin Soucan
Well Operator

P.O. Box 26

Street

Bridgeport

City or Town

West Virginia 26330

State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

Bar-777 PERMIT NUMBER
47-001

**THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO _____ DRILL XX DEEPEN _____ FRACTURE-STIMULATE
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Union Drilling Corporation NAME Petroleum Development Corporation
 ADDRESS P.O. Drawer 40, Buckhannon, W.Va. ADDRESS P.O. Box 26, Bridgeport, W.Va.
 TELEPHONE 304/472-4610 TELEPHONE 304/842-3597
 ESTIMATED DEPTH OF COMPLETED WELL: 4300' ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 TYPE OF WELL: OIL _____ GAS XX COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10 <u>11-3/4"</u>	<u>25'</u>		
9 - 5/8			
8 - 5/8 <u>850</u>		<u>850</u>	<u>200</u>
7			
5 1/2			
4 1/2 <u>4200</u>		<u>4200</u>	<u>150</u>
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 30 FEET SALT WATER 750 FEET
 APPROXIMATE COAL DEPTHS 103', 400'
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title

WR-38
10-Jun-99

API # 47- 1-00777-P

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: CORLEY, AVANELLE YOUNG Operator Well No.: A YOUNG #2
LOCATION: Elevation: 1,167.00 Quadrangle: PHILIPPI
District: PLEASANT County: BARBOUR
Latitude: 4120 Feet South of 39 Deg. 15 Min. 0 Sec.
Longitude 3250 Feet West of 80 Deg. 2 Min. 30 Sec.

Well Type: OIL _____ GAS x

Company: Petroleum Development Corporation Coal Operator Phillippi Development, Inc.
PO Box 26, 103 East Main Street or Owner Rt 12, Box 245
Bridgeport, WV 26330 Morgantown, WV 26550

Agent: Eric R. Stearns Coal Operator _____
or Owner _____

Permit Issued: 06/11/99

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Barbour ss:

Steven Trippett and Randy Underwood being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well, and Tim Bennett Oil and Gas Inspector representing the Director, say that said work was commenced on the 19th day of August, 1999, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Packer plug	1745	1742	1665' of 2 3/8" tbg	3044' of 4 1/2" csg
cast iron bridge plug	1606	1604	1112' of 4 1/2" csg	839' of 8 5/8" csg
Class A cement	1604	1456		80' of 2 3/8" tbg
6% gel	1456	1112		
Class A cement	1112	892		
6% gel	892	surface		

9/11/99

NOTE: well was previously plugged back to 1942' for inspection purposes.
Description of monument: approx. 4' of 8 5/8" csg with 2" vent and API#
and that the work of plugging and filling said well was completed on the 20th day of August, 1999.

And further deponents saith not.

Eric R. Stearns

Sworn and subscribe before me this 27th day of August, 1999
My commission expires: June 2, 2009

Rita A. Clark
Notary Public



Oil and Gas Inspector: _____

SEP 7 1999

BAR 0777-P